# CONTENTS

**Preface** vii

**I. Epidemiology**

Original Review
Recent Epidemiologic Alcohol Research
*Kathleen K. Bucholz and Lee N. Robins* 3

Reprinted Articles
Predicting Alcoholism and Personality Disorder in a 33-Year Longitudinal Study of Children of Alcoholics
*Robert E. Drake and George E. Vaillant* 15

The Co-Occurrence of Alcoholism with other Psychiatric Disorders in the General Population and Its Impact on Treatment
*John E. Helzer and Thomas R. Pryzbeck* 25

Family and Environment in the Choice of Opioid Dependence or Alcoholism
*James F. Maddux and David P. Desmond* 31

Commentary
*John E. Helzer* 49

Commentary
*Myrna M. Weissman* 51

**II. Pathophysiology**

Original Review
Metabolism of Alcohol: Points of Interaction With Natural Metabolites and Drugs
*Regina Pietruszko and Arthur I. Cederbaum* 55

Reprinted Articles
Toxicity of Ethanol and other Components of Alcoholic Beverages
*Lawrence Feinman and Charles S. Lieber* 69

Microsomal Ethanol-Oxidizing System
*C. S. Lieber* 75

Anterior Pituitary, Adrenal, and Gonadal Hormones During Cocaine Withdrawal
*Jack H. Mendelson, Siew K. Teoh, Ulrike Lange, Nancy K. Mello, Roger Weiss, Alicja Skupny, and James Ellingboe* 87

Commentary
*David H. Knott* 93

Commentary
*D. H. Van Thiel* 95

**III. Behavioral Pathology**

Original Review
Behavioral Pathology
*Leslie C. Morey and Theodore Hill* 101

Reprinted Articles
A Comparison of Self-Reported Symptoms and DSM-III-R Criteria for Cocaine Withdrawal
*Kirk J. Brower, Ebrahim Maddahian, Frederic C. Blow, and Thomas P. Beresford* 115

The Drug Dependence Syndrome and Related Disabilities
*Deborah S. Hasin, Bridget F. Grant, and Thomas C. Harford* 121

The Stability of Coexisting Psychiatric Syndromes in Alcoholic Men after One Year
*Elizabeth C. Penick, Barbara J. Powell, Barry I. Liskow, James O. Jackson, and Elizabeth J. Nickel* 131

Drinking Your Troubles Away II: An Attention-Allocation Model of Alcohol's Effect on Psychological Stress
*Claude M. Steele and Robert A. Josephs* 143

Commentary
Substance Abuse and Behavioral Pathology
*R. O. Pihl and Sherry Stewart* 153

Commentary
Review of "Behavioral Pathology"
*Peter E. Nathan* 157

**IV. Etiology**

Original Review
Etiology
*Donald W. Goodwin* 161

Reprinted Articles
Age of Alcoholism Onset II. Relationship to Susceptibility to Serotonin Precursor Availability
*Laure Buydens-Branchey, Marc H. Branchey, Debra Noumair, and Charles S. Lieber* 167

Neurogenetic Adaptive Mechanisms in Alcoholism
*C. Robert Cloninger* 173

Alcohol-Related Problems, Marital Disruption and Depressive Symptoms among Adult Children of Alcohol Abusers in the United States
*Douglas A. Parker and Thomas C. Harford* 181

A Comparative Study of Familial Alcoholism
*Elizabeth C. Penick, Barbara J. Powell, Stephen F. Bingham, Barry I. Liskow, Norman S. Miller, and Marsha R. Read* 189

Commentary
*Karol L. Kumpfer* 201

Commentary
*Kenneth J. Sher* 209

**V. Program Evaluation and Treatment**

Original Review
Program Evaluation and Treatment Outcome: Contemporary Developments
*Chad D. Emrick and Gregory A. Aarons* 215

Reprinted Articles
Verbal Report Methods in Clinical Research on Alcoholism: Response Bias and Its Minimization
*Thomas F. Babor, Robert S. Stephens, and G. Alan Marlatt* 233

Validity of Self-Report in Alcoholism Research: Results of a Veterans Administration Cooperative Study
*Richard K. Fuller, Kelvin K. Lee, and Enoch Gordis* 249

Use of Laboratory Tests to Monitor Heavy Drinking by Alcoholic Men Discharged From a Treatment Program
*Michael Irwin, Steve Baird, Tom L. Smith, and Marc Schuckit* 257

The Composite International Diagnostic Interview: An Epidemiologic Instrument Suitable for Use in Conjunction With Different Diagnostic Systems and in Different Cultures
*Lee N. Robins, John Wing, Hans Ulrich Wittchen, John E. Helzer, Thomas F. Babor, Jay Burke, Anne Farmer, Assen Jablenski, Roy Pickens, Darrel A. Regier, Norman Sartorius, and Leland H. Towle* 263

Commentary
Progress and Promise in Substance Abuse Program Evaluation: The Role of Assessment
*Rudolf H. Moos and John W. Finney* 273

Commentary
Substance Abuse Treatment Evaluation Research Is Good Science
*Jerome J. Platt* 277

**VI. Emergent Treatment Concepts and Techniques**

Original Review
Emergent Treatment Concepts and Techniques
*William R. Miller* 283

Reprinted Articles
Advice Versus Extended Treatment for Alcoholism: A Controlled Study
*Jonathan Chick, Bruce Ritson, Jenni Connaughton, Alex Stewart, and Jo Chick* 297

Neuropsychological Performance and Treatment Outcome in Male Alcoholics
*Michael J. Eckardt, Robert R. Rawlings, Barry I. Graubard, Vivian Faden, Peter R. Martin, and Louis A. Gottschalk* 309

Comparative Effectiveness and Costs of Inpatient and Outpatient Detoxification of Patients With Mild-to-Moderate Alcohol Withdrawal Syndrome
*Motoi Hayashida, Arthur I. Alterman, A. Thomas McLellan, Charles P. O'Brien, James J. Purtill, Joseph R. Volpicelli, Arnold H. Raphaelson, and Charles P. Hall* 315

Is the Counselor an "Active Ingredient" in Substance Abuse Rehabilitation? An Examination of Treatment Success among Four Counselors
*A. Thomas McLellan, George E. Woody, Lester Luborsky, and Leslie Goehl* 323

Engaging Adolescent Drug Abusers and Their Families in Treatment: A Strategic Structural Systems Approach
*José Szapocznik, Angel Perez-Vidal, Andrew L. Brickman, Franklin H. Foote, Daniel Santisteban, Olga Hervis, and William M. Kurtines* 331

Commentary
*Richard Fuller* 337

Commentary
*Theodore Jacob* 339

**VII. Lay Treatment**

Original Review
The Lay Treatment Community
*Margaret Bean-Bayog* 343

Reprinted Articles
Alcoholics Anonymous: Affiliation Processes and Effectiveness as Treatment
*Chad D. Emrick* 353

Alcoholics Anonymous Affiliation and Treatment Outcome Among a Clinical Sample of Problem Drinkers
*Brian H. McLatchie and Kenneth G. E. Lomp* 365

Narcotics Anonymous (NA): The Phenomenal Growth of an Important Resource
*Brian Wells* 375

The Relationship between Relapse and Involvement in Alcoholics Anonymous
*Mary Sheeren* 379

Commentary
*Stephanie Brown* 383

Commentary
*Stanton Peele* 387

**VIII. Nicotine Dependence**

Original Review
Tobacco Dependence: An Integration of Individual and Public Health Perspectives
*David B. Abrams, Karen M. Emmons, Raymond Niaura, Michael G. Goldstein, and Charles B. Sherman* 391

Reprinted Articles
Reducing the Illegal Sale of Cigarettes to Minors
*David G. Altman, Valodi Foster, Lolly Rasenick-Douss, and Joe B. Tye* 437

Cigarette Smoking Cessation Attempts by Recovering Alcoholics
*Janet Kay Bobo, Lewayne D. Gilchrist, Robert F. Schilling II, Brenda Noach, and Steven Paul Schinke* 441

Subjective effects of cigarette smoking in adolescents
*A. D. McNeill, M. Jarvis, and R. West* 449

Effect of Nicotine Chewing Gum in Combination With Group Counseling on the Cessation of Smoking
*Philip Tønnesen, Vibeke Fryd, Michael Hansen, Jacob Helsted, Anne Birgitte Gunnersen, Hans Forchammer, and Mette Stockner* 453

Commentary
*John Slade* 457

**IX. Editors' Concluding Remarks**

Editors' Overview
*James Langenbucher, William Frankenstein, Barbara McCrady, and Peter Nathan* 463